

## **LISTING OF THE CLAIMS**

- At time of the Action: Claims 1-9, 11-16, 25-31, and 33-36
- Allowed Claims: Claims 1-9, 11-16 and 31
- Cancelled Claims: Claims 25-30 and 33-36
- After this Response: Claims 1-9, 11-16 and 31

The following list of claims replaces all prior versions and list of claims in the application.

1. (Previously Presented) One or more computer readable media having stored thereon a plurality of instructions that, when executed by one or more processors, causes the one or more processors to perform acts including:
  - receiving requirements to protect an original digital good;
  - parsing the original digital good along natural boundaries into portions;
  - selecting a first portion of the original digital good;
  - generating a substitution box (S-box) that includes a byte or bit values from the first portion of the original digital good;
  - identifying a second portion of the original digital good, wherein the second portion is to be encrypted;
  - mapping the byte or bit values of the second portion to substitution byte or bit values based on the substitution box (S-box) to encrypt the second portion; and
  - outputting a protected digital good that is functionally equivalent to and derived from the original digital good.

2. (Original) One or more computer readable-media as recited in claim 1, wherein the entire digital good is to be encrypted.

3. (Previously Presented) One or more computer readable media as recited in claim 1, wherein the mapping comprises determining, for each group of bits of the second portion, a new group of bits based on the first portion.

4. (Previously Presented) One or more computer readable media as recited in claim 1, wherein the mapping comprises using bits of the first portion to determine a substitution sub-portion for each sub-portion in the second portion.

5. (Original) One or more computer readable media as recited in claim 4, wherein the sub-portion comprises a byte.

6. (Original) One or more computer readable media as recited in claim 1, wherein the digital good comprises a software program.

7. (Original) One or more computer readable media as recited in claim 1, wherein the digital good includes video content.

8. (Previously Presented) A method comprising:
  - receiving requirements to protect an original digital good;
  - analyzing the original digital good;
  - parsing the original digital good along natural boundaries into portions;
  - selecting a first segment of the original digital good;
  - generating a substitution box (S-box) that includes a byte or bit values from the first portion of the original digital good;
  - selecting a second segment of the original digital good, wherein the second segment is to be encrypted using an encryption process;
  - mapping, as at least part of the encryption process, the byte or bit values within the second segment to new byte or bit values based on the first segment, wherein the mapping comprises using the first segment in a substitution box (S-box) during the encryption process; and
  - outputting a protected digital good that is functionally equivalent to and derived from the original digital good.

9. (Previously Presented) A method as recited in claim 8, wherein the entire original digital good is to be encrypted by the encryption process.

10. (Cancelled).

11. (Previously Presented) A method as recited in claim 8, wherein the mapping comprises determining, for each group of bits of the second segment, a new group of bits based on the first segment.

12. (Previously Presented) A method as recited in claim 8, wherein the mapping comprises using bits of the first segment to determine a new value for each value in the second segment.

13. (Original) A method as recited in claim 8, wherein the digital good comprises a software program.

14. (Original) A method as recited in claim 8, wherein the digital good includes video content.

15. (Original) A method as recited in claim 8, wherein the encryption process uses a Data Encryption Standard (DES) cipher.

16. (Original) One or more computer-readable memories comprising computer-readable instructions that, when executed by a processor, direct a computer system to perform the method as recited in claim 8.

17-24. (Cancelled).

25.-30. (Cancelled).

31. (Previously Presented) A client-server system, comprising:
  - a production server to receive requirements to protect an original digital good;
  - an analyzer in the production server to parse the digital good along natural boundaries into portions;
  - the production server to use a byte or bit value from a portion of a first digital good in a substitution box (S-box) to encrypt at least a portion of a second digital good to produce a protected digital good;
  - a client to store and execute the protected digital good, the client being configured to evaluate the protected digital good to determine whether the protected digital good has been tampered with;
- wherein the first digital good and the second digital good are the same digital good; and
- wherein the protected digital good is functionally equivalent to and derived from the original digital good.

32. (Cancelled).

33.-36. (Cancelled).